Order of Operations with Decimals (C)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$0{,}8 \div ((-8{,}3) + 9{,}1)^2$

$6{,}4 \times 0{,}5 + (3{,}3)^2$

$(2{,}6 + 3{,}9)^2 \times 0{,}8$

$((-1{,}5) + 8{,}7) \div (-0{,}3)^2$

$(2{,}2)^2 \times (-7{,}5) + 5{,}2$

$(7{,}5)^2 + 1{,}5 \times 6{,}4$

$(-2{,}8)^2 - 9{,}7 \times (-1{,}7)$

$(-1{,}6)^2 + 9{,}5 \times (-0{,}2)$

$0{,}8 \times (-0{,}5) - (-4{,}6)^2$

$(-5{,}6) \times (-7{,}9) - (9{,}9)^2$

Order of Operations with Decimals (C) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$0{,}8 \div \left((-8{,}3) + 9{,}1\right)^2$

$= 0{,}8 \div (0{,}8)^2$

$= 0{,}8 \div 0{,}64$

$= 1{,}25$

$6{,}4 \times 0{,}5 + (3{,}3)^2$

$= 6{,}4 \times 0{,}5 + 10{,}89$

$= 3{,}2 + 10{,}89$

$= 14{,}09$

$\left(2{,}6 + 3{,}9\right)^2 \times 0{,}8$

$= (6{,}5)^2 \times 0{,}8$

$= 42{,}25 \times 0{,}8$

$= 33{,}8$

$\left((-1{,}5) + 8{,}7\right) \div (-0{,}3)^2$

$= 7{,}2 \div (-0{,}3)^2$

$= 7{,}2 \div 0{,}09$

$= 80$

$(2{,}2)^2 \times (-7{,}5) + 5{,}2$

$= 4{,}84 \times (-7{,}5) + 5{,}2$

$= (-36{,}3) + 5{,}2$

$= -31{,}1$

$(7{,}5)^2 + 1{,}5 \times 6{,}4$

$= 56{,}25 + 1{,}5 \times 6{,}4$

$= 56{,}25 + 9{,}6$

$= 65{,}85$

$(-2{,}8)^2 - 9{,}7 \times (-1{,}7)$

$= 7{,}84 - 9{,}7 \times (-1{,}7)$

$= 7{,}84 - (-16{,}49)$

$= 24{,}33$

$(-1{,}6)^2 + 9{,}5 \times (-0{,}2)$

$= 2{,}56 + 9{,}5 \times (-0{,}2)$

$= 2{,}56 + (-1{,}9)$

$= 0{,}66$

$0{,}8 \times (-0{,}5) - (-4{,}6)^2$

$= 0{,}8 \times (-0{,}5) - 21{,}16$

$= (-0{,}4) - 21{,}16$

$= -21{,}56$

$(-5{,}6) \times (-7{,}9) - (9{,}9)^2$

$= (-5{,}6) \times (-7{,}9) - 98{,}01$

$= 44{,}24 - 98{,}01$

$= -53{,}77$